

Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. ETH-1567	Serial No. 09/892,993
INFORMATION DISCLOSURE CITATION		Applicant KELLY R. BROWN, ET AL.	
(Use several sheets if necessary)		Filing Date JUNE 27, 2001	
		DEC 18 2001 PCT/US01/06335 U.S. PATENT & TRADEMARK OFFICE TECH CENTER 1600 RECEIVED DEC 19 2001 Group Amt Unit 1615	

*Examiner Initial	Document Number								Date	Name	Class	Sub-class	Filing Date If Appropriate
BF	AA	3	9	2	9	9	7	1	12/30/75	Roy			
BF	AB	4	0	4	5	4	1	8	8/30/77	Sinclair			
BF	AC	4	0	5	7	5	3	7	11/8/77	Sinclair			
BF	AD	4	1	0	5	0	3	4	8/8/78	Shalaby et al.			
BF	AE	4	1	3	0	6	3	9	12/19/78	Shalaby et al.			
BF	AF	4	1	4	0	6	7	8	2/20/79	Shalaby et al.			
BF	AG	4	1	4	1	0	8	7	2/27/79	Shalaby et al.			
BF	AH	4	1	8	6	4	4	8	2/5/80	Brekke			
BF	AI	4	2	0	5	3	9	9	6/3/80	Shalaby et al.			
BF	AK	4	2	0	8	5	1	1	6/17/80	Shalaby et al.			

## FOREIGN PATENT DOCUMENTS

*Examiner Initial		Document Number								Date	Name	Class	Sub-class	Translation		
														Yes	No	
BF	AL	0	2	7	4	8	9	8	7/20/88	Europe						
BF	AM	0	2	7	8	5	8	3	8/17/88	Europe						
BF	AN	0	4	6	4	1	6	3	1/8/92	Europe						
BF	AO	1	0	2	7	8	9	7	8/16/00	Europe						
BF	AP	0	0	2	0	3	5	4	4/13/00	International	IN/0					
BF	AQ	9	9	1	6	4	7	8	4/8/99	International	IN/0					

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Page, Etc.)

BF	AR	A.F. Tencer, et al., "Compressive Properties Of Polymer Coated Synthetic Hydroxyapatite For Bone Grafting", Journal of Biomedical Materials Research, Vol. 19, John Wiley & Sons, Inc., (1985), pgs. 957-969												
BF	AS	Ainslie T. Young, "Microcellular Foams via Phase Separation" J. Vac. Sci. Technol. A 4 (3), American Vacuum Society, May/June (1986), pgs. 1128-1133												
BF	AT	Daniel Cohn, et al., "Biodegradable PEO/PLA Block Copolymers" Journal of Biomedical Materials Research, Vol. 22, John Wiley & Sons, Inc., (1988), pgs. 993-1009												

Examiner Blessing Enbara	Date Considered 4-6-03
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Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. ETH-1567	Serial No. 09/892,993
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(Use several sheets if necessary)		DEC 18 2001		Filing Date JUNE 27, 2001	Group Art Unit 1615

U.S. PATENT & TRADEMARK OFFICE  
PATENT DOCUMENTS

*Examiner Initial	Document Number								Date	Name	Class	Sub-class	Filing Date If Appropriate
BG	AA	4	8	6	1	7	3	3	8/29/89	White			10/21/89
PF	AB	5	0	8	4	0	5	1	1/28/92	Tormala et al.			
BC	AC	5	1	3	3	7	5	5	7/28/92	Brekke			
BF	AD	5	3	1	4	4	7	8	5/24/94	Oka et al.			
BF	AE	5	4	5	8	6	4	3	10/17/95	Oka et al.			
BF	AF	5	4	6	4	9	2	9	11/7/95	Bezwada et al.			
PF	AG	5	4	6	8	2	5	3	11/21/95	Bezwada et al.			
PF	AH	5	4	8	6	3	5	9	1/23/96	Caplan et al.			
PF	AI	5	5	1	4	3	7	8	5/7/96	Mikos et al.			
PF	AK	5	5	2	2	8	9	5	6/4/96	Mikos			

## FOREIGN PATENT DOCUMENTS

*Examiner Initial	Document Number								Date	Name	Class	Sub-class	Translation	
	AL	9	9	1	6	4	7	9	4/8/99	International			Yes	No
PF	AM													
	AN													
	AO													
	AP													
	AQ													

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Page, Etc.)

BF	AR	Allcock, "Polyphosphazenes", Encyclopedia of Polymer Science and Engineering, Vol. 13, John Wiley & Sons, Inc., New York (1988), pgs. 31-41											
PF	AS	D. Cohn, "New Tailor-Made Biodegradable Polymeric Biomaterials" Polymer Preprints, Volume 30, Number 1, Division of Polymer Chemistry, Inc., Dallas, Texas, (April 1989), page 498											
PF	AT	Shigenobu Matsuda, "Thermodynamics of Formations of Porous Polymeric Membrane from Solutions", Polymer Journal, Volume 23, No. 5, (1991), pgs. 435-444											

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U. S. PATENT DOCUMENTS  
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*Examiner Initial	Document Number								Date	Name	Class	Sub-class	Filing Date If Appropriate
BF	AA	5	5	9	5	7	5	1	1/21/97	Bezwada et al.			
BF	AB	5	5	9	7	5	7	9	1/28/97	Bezwada et al.			
BF	AC	5	6	0	7	4	7	4	3/4/97	Athanasiou et al.			
BF	AD	5	6	0	7	6	8	7	3/4/97	Bezwada et al.			
BF	AE	5	6	1	8	5	5	2	4/8/97	Bezwada et al.			
BF	AF	5	6	2	0	6	9	8	4/15/97	Bezwada et al.			
BF	AG	5	6	4	5	8	5	0	7/8/97	Bezwada et al.			
BF	AH	5	6	4	8	0	8	8	7/15/97	Bezwada et al.			
BF	AI	5	6	7	7	3	5	5	10/14/97	Shalaby et al.			
BF	AK	5	6	8	6	0	9	1	11/11/97	Leong et al.			

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														Yes	No	
	AL															
	AM															
	AN															
	AO															
	AP															
	AQ															

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Page, Etc.)

BF	AR	Jorge Heller, "Poly(ortho esters)", Handbook Of Biodegradable Polymers, Harwood Academic Publishers, Netherlands, (1997), pgs. 99-118
BF	AS	J. Vandorpe, et al., "Biodegradable Polyphosphazenes For Biomedical Applications", Handbook Of Biodegradable Polymers, Harwood Academic Publishers, Netherlands, (1997), pgs. 161-182
BF	AT	John Kemnitzer, et al., "Degradable Polymers Derived From The Amino Acid L-Tyrosine", Handbook Of Biodegradable Polymers, Harwood Academic Publishers, Netherlands, (1997), pgs. 251-272

Examiner <i>Blessing Furara</i>	Date Considered <i>4-6-03</i>
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*Examiner Initial	Document Number								Date	Name		Class	Sub-class	Filing Date If Appropriate
BF	AA	5	6	9	8	2	1	3	12/16/97	Jamiolkowski et al.				
BF	AB	5	7	0	0	5	8	3	12/23/97	Jamiolkowski et al.				
BF	AC	5	7	1	1	9	6	0	1/27/98	Shikinami				
BF	AD	5	7	1	3	3	7	4	2/3/98	Pachence et al.				
BF	AE	5	7	1	6	4	1	3	2/10/98	Walter et al.				
BF	AF	5	7	5	5	7	9	2	5/26/98	Brekke				
BF	AG	5	7	6	9	8	9	9	6/23/98	Schwartz et al.				
BF	AH	5	7	7	0	1	9	3	6/23/98	Vacanti et al.				
BF	AI	5	7	7	0	4	1	7	6/23/98	Vacanti et al.				
BF	AK	5	8	5	9	1	5	0	1/12/99	Jamiolkowski et al.				

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							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							
	AQ							

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Page, Etc.)

BF	AR	B. Kreklau, et al., "Tissue Engineering of Biphasic Joint Cartilage Transplants", Biomaterials 20, Elsevier Science Ltd., (1999), pgs. 1743-1749
BF	AS	Gabriele G. Niederauer, et al., "Evaluation of Multiphase Implants for Repair of Focal Osteochondral Defects in Goats", Biomaterials 21, Elsevier Science Ltd., (2000), pgs. 2561-2574
BF	AT	D. Schaefer, et al., "In Vitro Generation of Osteochondral Composites", Biomaterials 20, Elsevier Science Ltd., (2000), pgs. 2599-2606

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(Use several sheets if necessary)		Filing Date JUNE 27, 2001	Group Art Unit 1655



*Examiner Initial	Document Number								Date	Name	Class	Sub-class	Filing Date If Appropriate
bf	AA	6	1	0	3	2	5	5	8/15/00	Levene et al.			
	AB												
	AC												
	AD												
	AE												
	AF												
	AG												
	AH												
	AI												
	AK												

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													Yes	No	
	AL														
	AM														
	AN														
	AO														
	AP														
	AQ														

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Page, Etc.)

bf	AR	Vicki Rosen, Ph.D, et al., "Chapter 1 - Introduction and Goal", The Cellular and Molecular Basis of Bone Formation and Repair", R.G. Landes Company, Austin, Texas, (1995), pgs. 1-41											
	AS												
	AT												

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